

Application No.: 10/051,902
Docket No.: BB-1163 US DIV

BEST AVAILABLE COPY

Page 5

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the ~~replaced~~ ^{current} application:

Claims 1-15 (cancelled)

Claim 16 (previously presented): An isolated nucleic acid fragment comprising:

- (a) a nucleotide sequence encoding a polypeptide having sugar transport protein activity, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:20 have at least 66% sequence identity; or
- (b) the full-length complement of the nucleotide sequence of (a).

Claim 17 (previously presented): The isolated nucleic acid fragment of claim 16, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:20 have at least 90% sequence identity.

Claim 18 (previously presented): The isolated nucleic acid fragment of claim 16, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:20 have at least 95% sequence identity.

Claim 19 (currently amended): The isolated nucleic acid fragment of Claim 16 wherein the nucleotide sequence ~~of the fragment corresponds to the nucleotide sequence set forth in~~ comprises SEQ ID NO:21.

Claim 20 (currently amended): A recombinant DNA construct comprising the isolated nucleic acid fragment of any one of Claims 16 - 19 operably linked to at least one regulatory sequence.

Claim 21 (currently amended): A vector comprising the isolated nucleic acid fragment of ~~claim 16-19~~ any one of Claims 16 - 19.

Claim 22 (previously presented): A method for transforming a cell, comprising transforming a cell with the recombinant DNA construct of claim 20.

Claim 23 (previously presented): A cell comprising the recombinant DNA construct of Claim 20.

Application No.: 10/051,902
Docket No.: BB-1163 US DIV

BEST AVAILABLE COPY Page 6

Claims 24-31 (cancelled)